



2017 *FIRST*[®] Championship Conferences

Presented by Southwest, ViaSat & Walt Disney Imagineering

St. Louis Schedule At-A-Glance

Wednesday, April 26

Workshops (time varies)	Sessions (50 minutes)	265/266	267	274	275	276
4:00-6:00	4:00-5:00	LabVIEW Programming for Beginners	Using New Sensors with the EV3: An Example Using the Panasonic Grid-EYE Infrared Sensor	How to Become an Automation Professional	The Power of Math and Science Can Make You a Superhero!	Effective Student Leadership in <i>FIRST</i> Robotics Competition
	5:00-5:30	BREAK	BREAK		BREAK	BREAK
	5:30-6:30	Advanced LabVIEW Programming Techniques	Change the Gender Equation: The SWENext Partnership with <i>FIRST</i>		Train All Students to Be Leaders and Good Things Will Happen	Strategies for Effective Prototyping in <i>FIRST</i> Robotics Competition
6:00-6:30				BREAK		
6:30-8:30	6:30-7:00	BREAK	BREAK		BREAK	BREAK
	7:00-8:00	Mentoring for Diversity and Inclusion in <i>FIRST</i>	Calling all <i>FIRST</i> Volunteers! Tell us what you want!	Why <i>FIRST</i> LEGO League Belongs in the Classroom or Why a Patent Proposal Makes a Great Writing Assignment.	More Than Honeycomb and Antennae: How to Build a Great Robot and a Sustainable <i>FIRST</i> Robotics Competition Team	Building and Contributing to WPILib Suite



2017 *FIRST*[®] Championship Conferences

Presented by Southwest, ViaSat & Walt Disney Imagineering

St. Louis Schedule At-A-Glance

Thursday, April 27

Workshops (120 minutes)	Sessions (60 minutes)	265/266	267	274	275	276	Ferrara Theater
8:30-10:30	9:00-10:00	Teambuilding: Build Your Team Before You Build Your Robot Part 1		Growth of <i>FIRST</i> Robotics Competition in Rural School Districts—Stability, Sustainability, and Success	Building a <i>FIRST</i> Team with Girl Scouts: A Case Study	Open-Source Robot Sensor Fusion: IMU, Quadrature Encoders, Vision Processing and LIDAR	Revolutionizing the Face of Technology: The National Center for Women and Information Technology's Best Practices to Increase Underrepresented Minority Participation
	10:00-10:30	BREAK		BREAK	BREAK	BREAK	
10:30-11:00				BREAK			
11:00-1:00	10:30-11:30	Putting the <i>FIRST</i> Fundraising Toolkit to Work for Your Team		Teambuilding: Build Your Team Before You Build Your Robot Part 2	Getting into Grantworld - Resource Development for Robotics	KNOW YOUR OPPONENTS and PARTNERS - Learn Scouting Strategies and How to Use Tableau for Improved Decision-Making	The Top 20 Robots in <i>FIRST</i> Robotics Competition History
	11:30-12:00	BREAK			BREAK	BREAK	BREAK
11:00-1:00	12:00-1:00	How to Make Your <i>FIRST</i> Team Valuable to Your School District	Alpha Omega Epsilon: A Sisterhood of Engineers and Technical Scientists		Controlling System Voltage Drops with Physical Models	Creating <i>FIRST</i> Communities of Practice - Lessons Learned over 10 years from the Baltimore Area Alliance (BAA)	"Cruise Control" for Combines
	1:00-1:30	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
1:30-3:30	1:30-2:30	Creating and Utilizing Sustainable Growth on your <i>FIRST</i> Robotics Competition Team	Lending a Hand: 3D Printing Prosthetic Hands	Advocacy = Outreach faster than one person at a time! We need your help!	From Competition to Career: Leveraging <i>FIRST</i> Experience in the Job Market	How the MakerSpace Movement works with STEM & Robotics!	Chairman's Chat
	2:30-3:00	BREAK	BREAK		BREAK	BREAK	
	3:00-4:00	<i>FIRST</i> Impact—A Review of Evaluation Findings from the Longitudinal and Alumni Studies	Using Social Media to Tell Your Story		DIY Intelligence	Calling all <i>FIRST</i> Volunteers! Tell us what you want!	



2017 FIRST® Championship Conferences

Presented by Southwest, ViaSat & Walt Disney Imagineering

St. Louis Schedule At-A-Glance

Friday, April 28

Workshops (120 minutes)	Sessions (60 minutes)	265/266	274	275	276	Ferrara Theatre	
8:30-10:30	9:00-10:00	Your <i>FIRST</i> Narrative: Presentation Literacy Skills with TED-Ed	VIP Educator Summit	LEGO Education WeDo 2.0 Workshop	VICTOR (Visually Impaired Competitions To Optimize Robotics)	World's Fastest Juggler Attempts Another Guinness World Record (9:30-10:30)	
	10:00-10:30	BREAK			BREAK		
10:30-11:00	10:30-11:30	Impact Outreach Opportunities equals STEM Excitement!		BREAK	Lens of Invention with the United States Patent and Trademark Office	BREAK	
11:00-1:00	11:30-12:00	BREAK		Inclusion in <i>FIRST</i> : Supporting Tomorrow's Innovators	BREAK	"WOMEN IN STEM.... Things We Want You to Know!" An Interactive Discussion with Women Leaders in Technology	
	12:00-1:00	How to Win Awards in <i>FIRST</i> Robotics Competition			How to Utilize 3D Printing to Customize and Expand your Robot's Capabilities		
1:00-1:30	1:00-1:30	BREAK		BREAK	BREAK	BREAK	
1:30-3:30	1:30-2:30	Active Alumni 101		Partnering with your School District: Utilizing School District Resources to Create a Sustainable Model for Growing <i>FIRST</i> in Your Community	Learning through Play with the LEGO Foundation	Don't Doubt the Scout: The Subliminal and Often-Neglected Key to <i>FIRST</i> Robotics Competition Success	Strategies for using computer vision on <i>FIRST</i> Robotics Competition robots
	2:30-3:00	BREAK				BREAK	
	3:00-4:00	The Journey of MitraClip: A Story of Innovation					

Special Session: Live Coaching Your FIRST story with TED-Ed and Abbott

1:00-1:40

Dome 261/2